

Department of Rangeland and Wildlife Sciences

Contact Information

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The Department of Rangeland and Wildlife Sciences offers Master of Science degree in Range and Wildlife Management. The department also offers the Doctor of Philosophy in Wildlife and Rangeland Sciences.

Research projects in Wildlife Science have involved a variety of topics on game and nongame wildlife, habitat management, disease issues, natural history and basic theoretical aspects of wildlife ecology and management. Faculty from the Caesar Kleberg Wildlife Research Institute are recognized internationally for their contributions to natural resource management.

Range and Wildlife Management (RWSC)

RWSC 5306 Thesis **3 SCH (3)**

Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for maximum of 6 semester hours.

RWSC 5388 Data Manag. and Visual **3 SCH (3-0)**

This course is designed to familiarize students with the basic principles of data management and visualization and provide students with the skills needed to appropriately enter, manage and manipulate scientific data in Excel, Access (Included SQL) and Program R.

RWSC 5390 Adv Studies Range/Wildlife Mgt **1-3 SCH (1-3)**

Material offered will be determined by the needs of the students. Laboratory and lecture will vary according to the subject needs. May be repeated under a different topic.

RWSC 5399 Research Topics **1-9 SCH (0-0-1-9)**

This course is specifically designed for Plan I students. Required during the research, data analysis, and initial writing stage for students who receive a stipend and need to maintain full-time status. Course may be repeated up to 15 times.

RWSC 6378 Spatial Ecology **3 SCH (3-0-0)**

All ecological interactions occur in space within a defined domain. Spatial ecology focuses on the study and modeling of the role(s) of space on ecological processes (e.g. population dynamics, species interactions, dispersal) that in turn affects ecological patterns. Course material will include the conceptual underpinning for models used by ecologist to link patterns to processes related to organism--environment relationships, and fundamental species interactions such as competition, and predation. The course will draw from population ecology, behavioral ecology, and landscape ecology. Students will gain a familiarity with common models used in spatial ecology.

Graduate Programs

- Rangeland and Wildlife Management, M.S.

Planned Course Offerings

This section provides a comprehensive list of graduate courses offered by the Department of Rangeland and Wildlife Sciences, along with a two-year schedule indicating when each course is expected to be available. Please note that course offerings and scheduling are subject to change based on faculty availability and student demand. To ensure steady progress toward degree completion, students are strongly encouraged to work closely with their advisor to develop a personalized academic plan.

Range and Wildlife Management (RWSC)

Course	Fall 2026	Spring 2027	Fall 2027	Spring 2028
RWSC 5306	X	X	X	X
RWSC 5390	X	X	X	X
RWSC 5399	X	X	X	X

Marketable Skills

Texas A&M University-Kingsville is dedicated to equipping graduate and doctoral students with the advanced marketable skills necessary for professional and academic excellence beyond the university setting. These skills encompass a range of high-level interpersonal, analytical, and applied competencies that are sought after in today's competitive workforce.

Our graduate programs are structured to cultivate these capabilities through rigorous academic inquiry, experiential learning, faculty-mentored research, professional internships, and opportunities for scholarly and community engagement.

Below are the marketable skills cultivated through the department's graduate academic program.

Range and Wildlife Management, M.S.

- Effective oral and written communication
- Problem-solving
- Knowledge of advanced ecological and wildlife management concepts
- Knowledge of statistical analyses and interpretation